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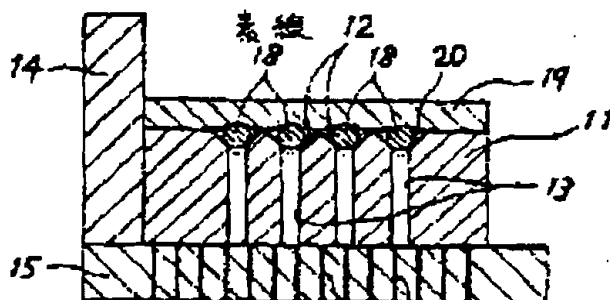
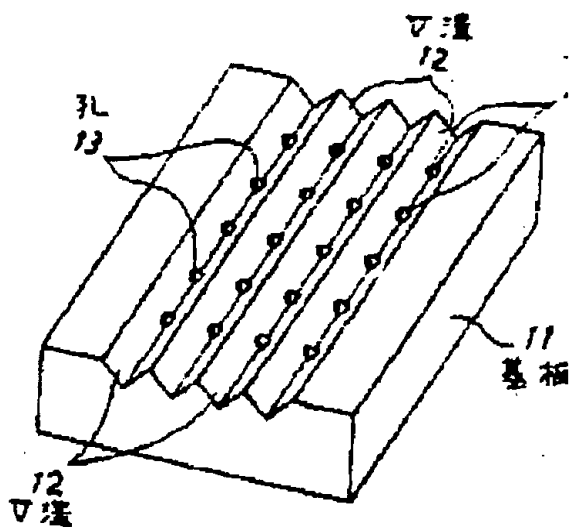
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### (54) MANUFACTURE OF OPTICAL FIBER ARRAY

(57) Abstract:

**PURPOSE:** To form an optical fiber array in a short time by preparing a substrate having a groove for aligning and fixing an optical fiber and a hole connected to a bottom part of this groove, and fixing the optical fiber which has been sucked and aligned toward the bottom part of the groove through the hole, into the groove.

**CONSTITUTION:** A substrate 11 having a groove 12 for aligning and fixing an optical fiber 18 and a hole 13 connected to a bottom part of the groove 12. Subsequently, the optical fiber 18 is placed in the groove 12, and also, the optical fiber 18 is sucked toward the bottom part through the hole 13, and the optical fiber 18 which has been aligned in the groove 12 by a suction is fixed into the groove 12. In such a way, since the optical fiber 18 which has been sucked and aligned toward the



been sucked and aligned toward the bottom part of the groove 12 is fixed into the groove 12, the optical fiber 18 is fixed exactly into the groove 12 in a state that it has been aligned along the groove 12.

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